XR724
Touchscreen Comfort Control

Model TCONT724AS42DA
User Guide and Installation Instructions

Trane® Home
Customer Support:
(877) 288-7707

For HVAC related issues, contact your servicing dealer

→ NOTE: A 24 Volt common and hot wire MUST be connected to the XR724 for operation.

Contents
User Guide
Features ............................................................................................................................. 2
Operation ............................................................................................................................ 3
User settings ....................................................................................................................... 4
Schedules ........................................................................................................................... 4
Display settings ................................................................................................................ 5
Sensor settings ................................................................................................................... 5
WiFi settings ....................................................................................................................... 6
Trane Home settings .......................................................................................................... 6
Installer settings .................................................................................................................. 7
Test Mode ........................................................................................................................... 8
Reminders .......................................................................................................................... 8
Restore Defaults ............................................................................................................... 8
About .................................................................................................................................. 8
Clean Screen ...................................................................................................................... 9
Trane Home Enrollment.................................................................................................... 10

Installer’s Guide
Product Specifications ........................................................................................................ 16
Installation and Wiring ...................................................................................................... 18
Physical Location .............................................................................................................. 18
Field Wiring Diagrams .................................................................................................... 20
Remote Temp Sensors ...................................................................................................... 37
Troubleshooting ............................................................................................................... 38
FCC/IC notice .................................................................................................................... 39
XR724 Features

- WiFi comfort control
- Remote access via smartphone, tablet, or P.C. (requires a Trane® Home account)
- Interactive 4.3” black & white touchscreen
- 7 Day programmable, 4 schedules/day
- Built in humidity sensor with RH display
- Filter, maintenance, humidifier service reminders
- Remote temperature sensing option (1 indoor/1 outdoor)
- Auxiliary & compressor heat lockouts
- Dehumidification (over cooling)
- Enhanced dehumidification (cooling)
- Adjustable variable speed fan settings (pwm)
- Energy Savings Mode (ESM)
- Screen lock
- Upgradable firmware (requires a Trane Home account)
- Service test modes
- Humidifier control

XR724 Product Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product Model:</td>
<td>TCONT724AS42DA</td>
</tr>
<tr>
<td>Product:</td>
<td>XR724 HVAC System comfort control. WiFi communications enabled.</td>
</tr>
<tr>
<td>Size:</td>
<td>5.75” wide x 3.5” height x 1” depth</td>
</tr>
<tr>
<td>Display:</td>
<td>Fixed Segment LCD, 4” x 2.25”, with 17 character alpha numeric display</td>
</tr>
<tr>
<td>Touchscreen:</td>
<td>Yes</td>
</tr>
<tr>
<td>Backlight:</td>
<td>Yes, White, Controllable, on, off, timeout</td>
</tr>
<tr>
<td>Power:</td>
<td>24VAC from HVAC System</td>
</tr>
<tr>
<td>HVAC System Type:</td>
<td>Standard (gas/electric), Heat Pump, or Dual Fuel</td>
</tr>
<tr>
<td>Heat/Cool Stages:</td>
<td>Up to four stages of heat/two stages cool</td>
</tr>
<tr>
<td>PWM Output (BK):</td>
<td>Variable speed motor control</td>
</tr>
<tr>
<td>Heat Pump Switchover valve:</td>
<td>Selectable change over with cool or with heat</td>
</tr>
<tr>
<td>Auxiliary Contact:</td>
<td>Humidifier, Ventilation or Dehumidifier control</td>
</tr>
<tr>
<td>Communications:</td>
<td>WiFi</td>
</tr>
<tr>
<td>Memory:</td>
<td>Non-volatile</td>
</tr>
<tr>
<td>Date/Time:</td>
<td>12 hour super capacitor backup. Time is automatically updated if the control is connected to Trane Home</td>
</tr>
</tbody>
</table>
Operation

The XR724 Comfort Control provides typical operation of a forced air heating and cooling HVAC system. It also features WiFi capability for remote control and Trane Home connectivity.

Normally, the Comfort Control displays the Home Screen as shown above.

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clock Display</td>
<td>The current time is displayed in the upper left corner of the main screen. The time will blink when the clock has not been set.</td>
<td>See TIME/DATE for more information. If the control is connected to Trane Home, the clock will be updated by the Trane Home portal.</td>
</tr>
<tr>
<td>Dynamic Labels and Function Control Buttons</td>
<td>The buttons are defined by the dynamic labels in each button. As you navigate through menus, the labels for the buttons will change.</td>
<td></td>
</tr>
<tr>
<td>Setpoint Display and Setpoint Up/Down Buttons</td>
<td>The current heat or cool setpoint is displayed. These setpoints may be set using Trane Home, the Control’s internal schedule, or by pressing the Setpoint Up/Down buttons. Pressing the setpoint button changes the setpoint screen. The current mode is displayed at the top of the screen. Adjust the setpoint by pressing the up or down arrows. To change setpoint mode press the MODE button.</td>
<td>The setpoints will push each other if they are adjusted to within the minimum heat/cool separation setting. This is normally 3 degrees.</td>
</tr>
<tr>
<td>Temperature Display</td>
<td>The Comfort Control displays the current temperature as sensed by the internal temperature sensor.</td>
<td>The internal temperature sensor can be adjusted as necessary.</td>
</tr>
<tr>
<td>Menu Button</td>
<td>Button used to access other Comfort Control menus</td>
<td></td>
</tr>
<tr>
<td>System Mode Button</td>
<td>Button used to change the system mode. Off: System off Heating: Heating only Cooling: Cooling only Auto: Heating/Cooling as necessary EM Heat: Heat Pump Emergency Heat, Compressor Disabled, Indoor Heat only.</td>
<td></td>
</tr>
<tr>
<td>Fan Mode Button</td>
<td>Button used to change the fan mode</td>
<td>Auto: Fan on when cooling/heating is necessary On: Fan constantly on Circ: Fan on for a user-selected number of minutes per hour</td>
</tr>
<tr>
<td>Schedule Mode Button</td>
<td>Button used to change the schedule mode</td>
<td>Hold: System maintains the current temperature setpoints. Schedules are disregarded. Run: Run the system schedule Energy Saving Mode (ESM): Run schedule using the ESM Setpoints. Manual setpoint changes while in Run Schedule mode will only last until the next schedule period.</td>
</tr>
</tbody>
</table>
The following is a guide of the menu options available by pressing the Menu button. Certain menu selections, which are marked by an asterisk (*), may or may not be present depending on other menu settings.

**HUMIDITY**

* Only appears as a menu item if Dehumidify is set to Yes, Aux Relay is set to Dehumidifier, or Aux Relay is set to Humidity.

<table>
<thead>
<tr>
<th>Setting</th>
<th>Range / Sub Setting</th>
<th>Description / Range of Sub Settings</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cooling RH Target*</td>
<td>30% to 60% [50%]</td>
<td>Select the desired indoor relative humidity during cooling mode. Dehumidification must be enabled in the Installer Settings for this option to be available.</td>
</tr>
<tr>
<td>Heating RH Target*</td>
<td>10% to 45% [40%]</td>
<td>Select the desired indoor relative humidity during heating mode. Humidification must be enabled in the Installer Settings for this option to be available.</td>
</tr>
</tbody>
</table>

Once all selections have been made, press the Done button to exit and return to menu. Press Next to navigate to the next setting.

**USER SETTINGS**

User Settings allow the user to customize various settings on the XR724 control. To access User Settings simply press the Menu button once and “User Settings” will be displayed. To enter the User Settings menu, press the Select button, then use the Next button to navigate through the options below. The default setting will be shown in brackets. After each selection press the Done button to save changes. Certain menu selections, which are marked by an asterisk (*), may or may not be present depending on other menu settings.

**THERMOSTAT**

<table>
<thead>
<tr>
<th>Setting</th>
<th>Range / Sub Setting</th>
<th>Description / Range of Sub Settings</th>
</tr>
</thead>
<tbody>
<tr>
<td>Temperature Scale</td>
<td>[Fahrenheit], Celsius</td>
<td>Select the temperature display scale</td>
</tr>
<tr>
<td>Max Heat Setpoint</td>
<td>55 - [90] Degrees</td>
<td>Select the highest heating setpoint allowed</td>
</tr>
<tr>
<td>Min Cooling Setpoint</td>
<td>[60] - 99 Degrees</td>
<td>Select the lowest cooling setpoint allowed</td>
</tr>
<tr>
<td>Time/Date*</td>
<td>Set Hour [12PM]</td>
<td>1 - 12 AM, 1 - 12 PM [12PM]</td>
</tr>
<tr>
<td>If connected with Trane Home, then time and date are provided by the network</td>
<td>Set Minutes [0]</td>
<td>0 - 59 [0]</td>
</tr>
<tr>
<td></td>
<td>Day of Week [Sun], Mon, Tue, Wed, Thr, Fri, Sat</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Year [2013] - 2113</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Month [Jan], Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Date [1] - 31</td>
<td></td>
</tr>
<tr>
<td></td>
<td>DST Enable [Yes], No</td>
<td></td>
</tr>
<tr>
<td>Continuous Fan Airflow*</td>
<td>35% - 100% [50%]</td>
<td>Select the desired fan speed when the Fan Mode selected is Continuous (variable speed blower required). Only available if ID Fan Type = Variable.</td>
</tr>
<tr>
<td>Fan Circulate On Time</td>
<td>[10] - 55 minutes</td>
<td>Select the desired amount of time the fan will cycle per hour when the Fan Mode selected is Circ</td>
</tr>
</tbody>
</table>

Once all selections have been made, press the Done button to exit and return to menu. Press Next to navigate to the next setting.
The following is a guide of the menu options available by pressing the Menu button. Certain menu selections, which are marked by an asterisk (*), may or may not be present depending on other menu settings.

### SCHEDULES

<table>
<thead>
<tr>
<th>Setting</th>
<th>Range / Sub Settings</th>
<th>Description / Range of Sub Settings</th>
</tr>
</thead>
<tbody>
<tr>
<td>ESM Heat Setpoint*</td>
<td>55 - 90 degrees [62]</td>
<td>Select the desired Heating Setpoint when ESM (Energy Savings Mode) is selected</td>
</tr>
<tr>
<td>ESM Cooling Setpoint*</td>
<td>60 - 99 degrees [85]</td>
<td>Select the desired Cooling Setpoint when ESM is selected</td>
</tr>
<tr>
<td>Edit Schedule*</td>
<td>Select Day (use Back/Next) Wake Period</td>
<td>This section is done for each day Set Time [6:00 am] Heat Setpoint 60° - 90° [70] Cool Setpoint 60° - 90° [78]</td>
</tr>
<tr>
<td></td>
<td>Day Period</td>
<td>Set Time [8:00 am] Heat Setpoint 60° - 90° [62] Cool Setpoint 60° - 90° [85]</td>
</tr>
<tr>
<td></td>
<td>Eve Period</td>
<td>Set Time [6:00 pm] Heat Setpoint 60° - 90° [70] Cool Setpoint 60° - 90° [78]</td>
</tr>
<tr>
<td></td>
<td>Night Period</td>
<td>Set Time [10:00 pm] Heat Setpoint 60° - 90° [62] Cool Setpoint 60° - 90° [78]</td>
</tr>
<tr>
<td>Copy Schedule*</td>
<td>Copy from (use Back/Next) Select day to copy Copy (day selected) To</td>
<td>Copy selected day to current schedule period.</td>
</tr>
<tr>
<td>Smart Recovery*</td>
<td>Yes, [No]</td>
<td></td>
</tr>
</tbody>
</table>

Once all selections have been made, press the Done button to exit and return to menu. Press Next to navigate to the next setting.

### DISPLAY

<table>
<thead>
<tr>
<th>Setting</th>
<th>Range</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Backlight On</td>
<td>0 - [100] percent</td>
<td>Select the screen brightness level when the backlight is lit</td>
</tr>
<tr>
<td>Backlight Off</td>
<td>[0] - 100 percent</td>
<td>Select the screen brightness level when the backlight timeout expires</td>
</tr>
<tr>
<td>Display Lock</td>
<td>[Unlocked], Display lock</td>
<td>Select security level • Unlocked - Enables selection of all menus and settings • Display Lock - Disables selection of all menus and settings Note: When Display Lock is selected a lock icon will appear next to the up arrow. Note: To disable Display Lock, press and hold the Menu button 5 seconds until the lock icon disappears.</td>
</tr>
</tbody>
</table>

Once all selections have been made, press the Done button to exit and return to menu. Press Next to navigate to the next setting.

### CALIBRATE SENSORS

<table>
<thead>
<tr>
<th>Setting</th>
<th>Range / Sub Settings</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sensor Cal</td>
<td>+/- 7 degrees (F or C) [0 deg]</td>
<td>Calibrate the internal temperature sensor (1° in F = 2° in C)</td>
</tr>
<tr>
<td>Remote Sensor Cal*</td>
<td>+/- 7 degrees (F or C) [0 deg]</td>
<td>Calibrate an attached remote sensor</td>
</tr>
<tr>
<td>ODT Sensor Cal*</td>
<td>+/- 7 degrees (F or C) [0 deg]</td>
<td>Calibrate an attached outdoor sensor</td>
</tr>
<tr>
<td>RH Cal</td>
<td>+/- 7 % [0 %]</td>
<td>Calibrate the internal humidity sensor</td>
</tr>
</tbody>
</table>

Once all selections have been made, press the Done button to exit and return to menu. Press Next to navigate to the next setting.
WIFI

Even though open networks (no password) and WEP WiFi encryption are supported, it is recommended to use a more secure network encryption such as WPA2 or later.

<table>
<thead>
<tr>
<th>Setting</th>
<th>Range</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Network</td>
<td>Join a Network</td>
<td>Network connection action required: Yes, No</td>
</tr>
<tr>
<td></td>
<td>OR leave network</td>
<td></td>
</tr>
<tr>
<td>Status</td>
<td>WiFi not configured</td>
<td>Status of Network connection</td>
</tr>
<tr>
<td></td>
<td>OR Trane Home enrolled</td>
<td></td>
</tr>
<tr>
<td>Connection Result</td>
<td>WiFi not configured</td>
<td>Status of WiFi connection</td>
</tr>
<tr>
<td></td>
<td>OR Success</td>
<td></td>
</tr>
<tr>
<td>Info</td>
<td>SPWF FW</td>
<td>Firmware version displayed</td>
</tr>
<tr>
<td></td>
<td>SSID</td>
<td>Not Available OR Network Name displayed</td>
</tr>
<tr>
<td></td>
<td>IP</td>
<td>Not Available OR IP Address displayed</td>
</tr>
<tr>
<td></td>
<td>Mask</td>
<td>Not Available OR Mask displayed</td>
</tr>
<tr>
<td></td>
<td>GW</td>
<td>Not Available OR Gateway IP address displayed</td>
</tr>
<tr>
<td></td>
<td>DNS</td>
<td>Not Available OR DNS IP address displayed</td>
</tr>
<tr>
<td></td>
<td>MAC</td>
<td>Not Available OR MAC address displayed</td>
</tr>
<tr>
<td>Retries</td>
<td>Retries (X)</td>
<td>Number of connection retries</td>
</tr>
<tr>
<td>Connection Time</td>
<td>Disconnected OR X hours</td>
<td>Connection hours</td>
</tr>
<tr>
<td>RSSI</td>
<td>RSSI – xx DBM</td>
<td>Connection signal strength</td>
</tr>
</tbody>
</table>

Once all selections have been made, press the Done button to exit and return to menu. Press Next to navigate to the next setting.

TRANE HOME

<table>
<thead>
<tr>
<th>Setting</th>
<th>Range</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Status</td>
<td>WiFi Not Configured</td>
<td>WiFi connection status</td>
</tr>
<tr>
<td></td>
<td>Enrolled</td>
<td></td>
</tr>
<tr>
<td>Info</td>
<td>Port (XXXXX)</td>
<td>Trane Home connection info</td>
</tr>
<tr>
<td></td>
<td>HOME APP Pin (XXXX)</td>
<td></td>
</tr>
<tr>
<td>Enroll OR Unenroll</td>
<td>Enroll, Unenroll</td>
<td>Join OR leave a Trane Home connection</td>
</tr>
</tbody>
</table>

Once all selections have been made, press the Done button to exit and return to menu. Press Next to navigate to the next setting.
SERVICE

Press and hold Service button for 5 seconds until service menu is displayed

<table>
<thead>
<tr>
<th>INSTALLER SETTINGS</th>
<th>Setting</th>
<th>Sub Settings</th>
<th>Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>Equipment Type</td>
<td>ODU Type (Outdoor Unit)</td>
<td>None, [AC], HP</td>
<td></td>
</tr>
<tr>
<td></td>
<td>ODU Stages</td>
<td>[1 Stage], 2 Stages</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Compressor Type*</td>
<td>[1 Comp - 2 Stage], 2 Comp - 2 Stage</td>
<td></td>
</tr>
<tr>
<td></td>
<td>IDU Type</td>
<td>[Gas / Oil], Electric, Hydronic</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Hydronic Type*</td>
<td>[Hydro Air], Wet Heat</td>
<td></td>
</tr>
<tr>
<td></td>
<td>ID Heat Stages</td>
<td>[1 Stage], 2 Stages</td>
<td></td>
</tr>
<tr>
<td></td>
<td>ID Fan Type</td>
<td>[Non-Variable], Variable</td>
<td></td>
</tr>
<tr>
<td></td>
<td>SOV Operation*</td>
<td>[with Cool], With Heat</td>
<td></td>
</tr>
<tr>
<td>Sensor Settings</td>
<td>Remote Sensor</td>
<td>[None], Replace Indoor, Average</td>
<td></td>
</tr>
<tr>
<td></td>
<td>ODT Sensor</td>
<td>[None], Outdoor</td>
<td></td>
</tr>
<tr>
<td>Accessories</td>
<td>Aux Relay</td>
<td>[None], Humidity, Ventilation, Dehumidifier</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Control Option*</td>
<td>[With Active Heat], Without Active Heat</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Vent Run Time*</td>
<td>[Off], 5 - 60 min in 5 min increments</td>
<td></td>
</tr>
<tr>
<td>Comfort Settings</td>
<td>Control Response</td>
<td>[Normal], Less Aggressive, More Aggressive (see page 9 for definitions)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Dehumidify*</td>
<td>[Yes], No</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Overcooling Limit*</td>
<td>[Off], 1 deg, 2 deg, 3 deg</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Smart Cont Fan*</td>
<td>[No], Yes</td>
<td></td>
</tr>
<tr>
<td>Airflow Settings</td>
<td>One of the following groups will be displayed</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fan type = Non Variable</td>
<td>On Delay Cooling</td>
<td>[0], 5-90 Sec in 5 sec increments</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Off Delay Cooling</td>
<td>[0], 5-90 Sec in 5 sec increments</td>
<td></td>
</tr>
<tr>
<td></td>
<td>On Delay Heating*</td>
<td>[0], 5-90 Sec in 5 sec increments</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Off Delay Heating*</td>
<td>[0], 5-90 Sec in 5 sec increments</td>
<td></td>
</tr>
<tr>
<td>Fan type = Variable</td>
<td>On Delay Cooling</td>
<td>Disabled, [Enhanced Mode], 30 sec delay</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Off Delay Cooling</td>
<td>Disabled, [Enhanced Mode], 45 sec delay</td>
<td></td>
</tr>
<tr>
<td></td>
<td>On Delay Heating*</td>
<td>Disabled, [Enhanced Mode], 30 sec delay</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Off Delay Heating*</td>
<td>Disabled, [Enhanced Mode], 45 sec delay</td>
<td></td>
</tr>
<tr>
<td>Hydronic Type = Hydro Air</td>
<td>On Delay Heat</td>
<td>[0], 5-90 Sec in 5 sec increments</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Off Delay Heat</td>
<td>[0], 5-90 Sec in 5 Sec increments</td>
<td></td>
</tr>
<tr>
<td>Lockouts*</td>
<td>Aux Heat</td>
<td>[No], Yes</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Aux Lockout ODT*</td>
<td>30 - 70 Deg [50 Deg]</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Comp Heat</td>
<td>[No], Yes</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Comp Lockout ODT*</td>
<td>5 - 70 Deg [40 Deg]</td>
<td></td>
</tr>
</tbody>
</table>

Once all selections have been made, press the Done button to exit and return to menu. Press Next to navigate to the next setting.
The following is a guide of the menu options available on screen accessed by pressing the Menu button. Certain menu selections, which are marked by an asterisk (*), may or may not be present depending on other menu settings.

<table>
<thead>
<tr>
<th>TEST MODE</th>
<th>Settings</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Blower (Non-VS)</td>
<td>Blower On</td>
<td>Energize “G” circuit</td>
</tr>
<tr>
<td>Blower (VS)</td>
<td>50%, 100%</td>
<td>Energize “G” and “BK” circuit</td>
</tr>
<tr>
<td>Cooling</td>
<td>Single Stage, 1st Stage, 2nd Stage</td>
<td>Energize selected “Y1” or “Y2”, “O” and “G” circuit (BK also for VS indoor unit)</td>
</tr>
<tr>
<td>Comp Heating*</td>
<td>Single Stage, 1st Stage, 2nd Stage</td>
<td>Energize selected “Y1” or “Y2” and “G” circuit (“BK” also for VS indoor unit)</td>
</tr>
<tr>
<td>Indoor Heating</td>
<td>Single Stage, 1st Stage, 2nd Stage</td>
<td>Energize selected “W1” or “W2” (“G” circuit also for electric heat)</td>
</tr>
<tr>
<td>Aux Relay</td>
<td>Relay On</td>
<td>Close normally open dry contacts</td>
</tr>
</tbody>
</table>

**Once testing is complete, press the Done button to exit and return to menu.**

**REMINDERS**

<table>
<thead>
<tr>
<th>Setting</th>
<th>Range</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Filtration Enable</td>
<td>[No], Yes</td>
<td>Filter change reminder</td>
</tr>
<tr>
<td>Filter Period*</td>
<td>[Monthly], Quarterly, Bi-Annually, Annually</td>
<td>Filter change reminder period</td>
</tr>
<tr>
<td>Start Month*</td>
<td>[Jan], Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec</td>
<td>Period start month</td>
</tr>
<tr>
<td>System Maint Enable</td>
<td>[No], Yes</td>
<td>System Maintenance reminder</td>
</tr>
<tr>
<td>Maint Period*</td>
<td>[Bi-Annually], Annually</td>
<td>Maintenance reminder period</td>
</tr>
<tr>
<td>First Maint Month*</td>
<td>Jan, Feb, [Mar], Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec</td>
<td>Period start month</td>
</tr>
<tr>
<td>Second Maint Month*</td>
<td>Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, [Sep], Oct, Nov, Dec</td>
<td>2nd period start month</td>
</tr>
<tr>
<td>Humidifier Enable</td>
<td>[Yes], No</td>
<td></td>
</tr>
<tr>
<td>Start Month</td>
<td>[Jan], Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec</td>
<td></td>
</tr>
</tbody>
</table>

**Once all selections have been made, press the Done button to exit and return to menu. Press Next to navigate to the next setting.**

**RESTORE DEFAULTS**

<table>
<thead>
<tr>
<th>Setting</th>
<th>Action</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Restore HVAC Defaults</td>
<td>Yes, No</td>
<td>Resets all HVAC settings to Default Settings</td>
</tr>
<tr>
<td>Restore Factory Defaults</td>
<td>Press and Hold “Yes”</td>
<td>Press and hold “Yes” button until “Factory” is displayed</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Resets HVAC and WiFi defaults</td>
</tr>
</tbody>
</table>

**ABOUT**

<table>
<thead>
<tr>
<th>Setting</th>
<th>Range</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Version</td>
<td>XXXXXX</td>
<td>Firmware version number</td>
</tr>
<tr>
<td>Device ID (SIN)</td>
<td>XXXXXX</td>
<td>Unit serial number</td>
</tr>
<tr>
<td>ODU Type</td>
<td>None, AC, HP</td>
<td>Outdoor unit type setting</td>
</tr>
<tr>
<td>IDU Type</td>
<td>Electric, Gas/Oil, Hydronic</td>
<td>Indoor unit type setting</td>
</tr>
<tr>
<td>SOV</td>
<td>W/Cool, WiHeat</td>
<td>Switchover value type setting (HP only)</td>
</tr>
</tbody>
</table>

**Once all selections have been made, press the Done button to exit and return to menu. Press Next to navigate to the next setting.**
# CLEAN SCREEN

<table>
<thead>
<tr>
<th>Setting</th>
<th>Range</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clean Screen</td>
<td>Yes, No</td>
<td>30 sec countdown</td>
</tr>
</tbody>
</table>

Once all selections have been made, press the Done button to exit and return to menu. Press Next to navigate to the next setting.

## XR724 Control Response Profiles

From Installer Settings / Comfort Settings *(numbers are in degrees, F or C)*

<table>
<thead>
<tr>
<th>Setting</th>
<th>Normal</th>
<th>Less Aggressive</th>
<th>More Aggressive</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Cooling</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cooling Delta Stage 1 ON</td>
<td>0.5</td>
<td>1</td>
<td>0.5</td>
</tr>
<tr>
<td>Cooling Delta Stage 2 ON</td>
<td>1.5</td>
<td>2</td>
<td>1</td>
</tr>
<tr>
<td>Cooling Delta Stage 1 OFF</td>
<td>-0.5</td>
<td>0</td>
<td>-1.0</td>
</tr>
<tr>
<td>Cooling Delta Stage 2 OFF</td>
<td>-0.5</td>
<td>0</td>
<td>-1.0</td>
</tr>
<tr>
<td><strong>Heating - HP</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Comp Heat Delta Stage 1 ON</td>
<td>0.5</td>
<td>1</td>
<td>0.5</td>
</tr>
<tr>
<td>Comp Heat Delta Stage 2 ON</td>
<td>1.5</td>
<td>2</td>
<td>1.0</td>
</tr>
<tr>
<td>Indoor Heat Delta Stage 1 ON</td>
<td>2.5</td>
<td>3</td>
<td>1.5</td>
</tr>
<tr>
<td>Indoor Heat Delta Stage 2 ON</td>
<td>3.5</td>
<td>4</td>
<td>2.0</td>
</tr>
<tr>
<td>Comp Heat Delta Stage 1 OFF</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Comp Heat Delta Stage 2 OFF</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Indoor Heat Delta Stage 1 OFF</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Indoor Heat Delta Stage 2 OFF</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td><strong>Heating - Gas</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Indoor Heat Delta Stage 1 ON</td>
<td>0.5</td>
<td>1</td>
<td>0.5</td>
</tr>
<tr>
<td>Indoor Heat Delta Stage 2 ON</td>
<td>1.5</td>
<td>2</td>
<td>1.0</td>
</tr>
<tr>
<td>Indoor Heat Delta Stage 1 OFF</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Indoor Heat Delta Stage 2 OFF</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td><strong>Timers</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Heat Stage UP Timer</td>
<td>15 min</td>
<td>20 min</td>
<td>10 min</td>
</tr>
<tr>
<td>Cool Stage UP Timer</td>
<td>15 min</td>
<td>20 min</td>
<td>10 min</td>
</tr>
</tbody>
</table>
XR724 TRANE HOME Enrollment

The XR724 uses the Trane Home mobile app to enroll into Trane Home. To enroll download the Trane Home app from the Google Play™ Store or App Store®, then launch the app. Once in the app, click **Connect New Device**, select **smart thermostat 724 model** then follow installation wizard prompts.

---

**Connect New Device**

Choose a Device

- Z-Wave Device
- Andersen Translator
- Trane® or American Standard®
  smart thermostat: 824, 850, or 1050 model
- Trane® or American Standard®
  smart thermostat: 724 model
- System Controller (SoftAP)
- Awair IAQ Monitor
- Nexia Camera

---

**Enroll XR724**

To enroll your thermostat with Trane® Home, you will:

1. **Put Your Thermostat in Join Mode**
2. **Connect to Your Thermostat**
3. **Choose a WiFi Network For Your Thermostat**
4. **Check for firmware updates**

You will have 10 minutes to complete these tasks once you start. Typically, this takes less than 5 minutes. Select 'Continue' below to start.

---

**Put Your Thermostat in Join Mode**

If your thermostat is dimmed, tap the ‘Menu’ button on the home screen of your thermostat. Then, press the ‘Menu’ button again to open the menu.

Then, select ‘Continue’ below.

---

**Put Your Thermostat in Join Mode**

Press the ‘Next’ button until you see ‘WIFI’ displayed at the top of the thermostat screen. Then press the ‘Select’ button.

Then, select ‘Continue’ below.

---

**Put Your Thermostat in Join Mode**

You should now see ‘NETWORK’ displayed at the top of the screen. Press the ‘Select’ button once more.

Then, select ‘Continue’ below.

---

All trademarks referenced are the trademarks of their respective owners. Google is a trademark of Google LLC.
Even though open networks (no password) and WEP WiFi encryption are supported, it is recommended to use a more secure network encryption such as WPA2 or later.
Enter Connection Key

0 1 2 3
4 5 6 7
8 9 A B
C D E F

Congratulations! Your mobile device is now connected to your thermostat.

1. Put Your Thermostat in Join Mode
2. Connect to Your Thermostat
3. Choose a WiFi Network For Your Thermostat
4. Check for firmware updates

Please select ‘Continue’ below to set up your thermostat’s WiFi connection.

Please choose a WiFi network for your thermostat to connect to:

- secure1120-edge-l
- acus11
- StnExternal
- nexia_test_1
- StnInternal
- StnGuest
- myhomenet
- asus-support
- boom
- pluto5

Enable my HVAC Dealer to see diagnostic information about my HVAC system, as well as my name and home address.

Submit
XR724 TRANE HOME Enrollment continued

Enrollment Succeeded

Congratulations! Your thermostat is now enrolled in Trane® Home.

- Put Your Thermostat in Join Mode
- Connect to Your Thermostat
- Choose a WiFi Network For Your Thermostat
- Check for firmware updates

You can now turn mobile data back on. Select ‘Continue’ below to check for necessary firmware updates.

Firmware Up To Date

Your thermostat firmware is up to date!

- Put Your Thermostat in Join Mode
- Connect to Your Thermostat
- Choose a WiFi Network For Your Thermostat
- Check for firmware updates

Select ‘Finish’ below to return to the Dashboard.

XR724 TRANE HOME WiFi Reconfiguration

To reconfigure your WiFi connection, you will:

1. Disconnect Thermostat from Current Network
2. Put Your Thermostat in Join Mode
3. Connect to Your Thermostat
4. Choose a WiFi Network For Your Thermostat

Typically, this only takes about 5 minutes. Select ‘Continue’ below to start.

System Idle

Outside: --°
Humidity: 53%

Cool
Auto
Hold Temp

82°

85°

Send Setpoint Delta Temperature Alert
SELECT A VAL...

Send High and Low Temperature Alerts
SELECT A VAL...

Temperature Scale
F

Fan Mode
AUTO

Run Mode
HOLD TEMP

Mode
COOL

Advanced

Reconfigure WiFi Connection...

Press

Remove My Thermostat from Trane® Home

Press

Continue
XR724 USER GUIDE

XR724 TRANE HOME WiFi Reconfiguration continued

Disconnect Thermostat from Network

If your thermostat is dimmed, tap the 'Menu' button on the home screen of your thermostat. Then, press the 'Menu' button again to open the menu.

Then, select 'Continue' below.

Disconnect Thermostat from Network

Press the 'Next' button until you see 'WIFI' displayed at the top of the thermostat screen. Then press the 'Select' button.

Then, select 'Continue' below.

Disconnect Thermostat from Network

You should now see 'NETWORK' displayed at the top of the screen. Press the 'Select' button once more.

Then, select 'Continue' below.

Disconnect Thermostat from Network

'Leave Network' should now be displayed along the top of your thermostat screen. Press the 'Yes' button.

Then, select 'Continue' below.
If 'Leave Network' is not displayed, skip this step.

Disconnect Thermostat from Network

Congratulations! You have disconnected your thermostat from the network.

1. Disconnect your thermostat from the current network
2. Put your thermostat in Join Mode
3. Connect to your thermostat
4. Choose a WiFi network for your thermostat

Please select 'Continue' below to put your thermostat into Join Mode.

Then, select 'Continue' below.

Put Your Thermostat in Join Mode

You should now see 'NETWORK' displayed at the top of the screen. Press the 'Select' button once more.

Then, select 'Continue' below.
If 'Leave Network' was not displayed in a previous step, skip this step.
XR724 TRANE HOME WiFi Reconfiguration continued

**Connect to Your Thermostat**

We are now going to connect the device you are currently using to a temporary WiFi network that has been created by your thermostat. Return to this app once you have completed the following steps:

1. Tap the Home button on your iOS device then select the ‘Settings’ icon.
2. Select ‘Cellular’ from the settings menu and turn OFF Cellular Data.
3. Return to the ‘Settings’ menu and select ‘Wi-Fi’.
4. Select ‘724’ from the ‘CHOOSE A NETWORK...’ list of options.
5. Once you are connected, select ‘Continue’ below.

**Settings**

<table>
<thead>
<tr>
<th>Wi-Fi</th>
<th>724</th>
</tr>
</thead>
</table>

**PERSONAL HOTSPOTS**

- White iPhone 6

**CHOOSE A NETWORK...**

- asus-support_5G
- boom
- myhomenet
- secure1120-edge-l
- StnExternal
- StnGuest

**Put Your Thermostat in Join Mode**

‘JOIN A NETWORK’ should now be displayed at the top of your thermostat screen. Press the ‘Yes’ button.

Then, select ‘Continue’ below.

**Put Your Thermostat in Join Mode**

Wait until the message at the top of your thermostat screen changes from ‘WAIT’ to ‘724’.

Then select ‘Continue’ below.

**Put Your Thermostat in Join Mode**

Congratulations! You have put your thermostat in join mode.

- Disconnect your thermostat from the current network
- Put your thermostat in Join Mode
- Connect to your thermostat
- Choose a WiFi network for your thermostat

Please select ‘Continue’ below to connect to your thermostat.
Connect to Your Thermostat

Enter Connection Key

0 1 2 3
4 5 6 7
8 9 A B
C D E F

Connect to Your Thermostat

Congratulations! Your mobile device is now connected to your thermostat.

- Disconnect your thermostat from the current network
- Put your thermostat in Join Mode
- Connect to your thermostat
- Choose a WiFi network for your thermostat

Please select ‘Continue’ below to set up your thermostat’s WiFi connection.

Choose a WiFi Network For Your Thermostat

Choose a WiFi network for your thermostat to connect to:

- secure1120-edge-I
- acus11
- StrnExternal
- nexia_test_1
- StrnInternal
- StrnGuest
- myhomenet
- asus-support
- boom
- pluto5

Please choose a WiFi network for your thermostat to connect to:

- secure1120-edge-I
- acus11

Please enter the WiFi password for myhomenet.

Password

Connect  Cancel

Connecting...  

Connecting thermostat to new network...

WiFi Successfully Reconfigured

Congratulations! Your thermostat is now connected to myhomenet.

- Disconnect your thermostat from the current network
- Put your thermostat in Join Mode
- Connect to your thermostat
- Choose a WiFi network for your thermostat

You can now turn mobile data back on and disconnect from the "724" network. Select ‘Finish’ below.

Finish
XR724 USER GUIDE

XR724 TRANE HOME WiFi Reconfiguration continued

Settings

Mode: COOL
Run Mode: HOLD TEMP
Fan Mode: AUTO
Temperature Scale: °F
Send High and Low Temperature Alerts: SELECT A VAL...
Send Setpoint Delta Temperature Alert: SELECT A VAL...
Advanced
Reconfigure WiFi Connection...
Remove My Thermostat from Trane® Home

My Thermostat

82°
System Idle
Outside: °F
Humidity: 53%

Cool
Auto
Hold Temp

Schedules
Events
Settings
MERCURY NOTICE

When this Comfort Control is replacing an old thermostat that contains mercury in a sealed tube, do not dispose of your old thermostat in the trash. Dispose of properly. Contact your local waste management authority for instructions regarding recycling and proper disposal of the old thermostat.

A listing of heating, ventilating and air conditioning wholesalers that participate in the Thermostat Recycling Corporation’s recycling program are available at www.thermostat-recycle.org.

PHYSICAL LOCATION

Temperature Sensing Considerations
The XR724 Control is designed for installation in climate controlled living spaces. It is recommended to place the unit in central locations with good circulation. Avoid exterior walls and areas near windows, doors, vents or concealed pipes or chimneys.

Incorrect Placement of the XR724

Heat from the XR724 screen may be trapped within the body of the XR724 control by an external top-down airflow source, such as a ceiling fan.

The onboard thermistor may be biased by this heat causing the displayed indoor temperature to be elevated.

Correct Placement of the XR724

Natural heat dissipation from the XR724 Touch Screen

Optimum Zone

Onboard Thermistor

2 FEET

5 FEET

Correct Placement of the XR724

Incorrect Placement of the XR724

Ceiling Fan
1 CAUTION: ELECTRICAL HAZARD

CAUTION: Before proceeding with installation, verify system power has been removed.
Separate the face of the new Comfort Control from the wall plate.

NOTE: It is not recommended that this WiFi Comfort Control be mounted onto metal structures. Metal may adversely affect the radio frequency (RF) communication between the Comfort Control and the WiFi network.

2 Mark two mounting holes using new wall plate.
   • Pull wires through hole in center of wall plate.
   • Locate the new wall plate over existing opening.
   • Mark two holes with pencil.
   • Use a level to verify that the two hole locations are level.
   • Correct hole locations as needed.

3 Install new wall plate.
   • Pull wires through hole in center of wall plate.
   • Locate the new wall plate over existing opening.
   • Attach wall plate to wall using two screws provided. Do not overtighten.

4 Attach all wires securely to the new Comfort Control.
   (See the Field Wiring Diagrams on the following pages.)
   Note: A wire must be connected to “C” to power the Comfort Control.
   • Use the information from the Field Wiring Diagrams to match the wires to the correct terminals.
   • Use 1/8" blade screwdriver to secure wires in terminals.

5 Attach the Comfort Control face to the wall plate.
   a. Carefully align the face plate to the wall plate while aligning pins into wire terminals.
   b. Once Comfort Control face is properly aligned, apply pressure at top and bottom of Comfort Control face until it is secure.

6 Turn power to heating and cooling system back on.
   The Comfort Control display should turn on and begin displaying information.
   Proceed to Installer’s Setup to configure system settings.
Heat/Cool Wiring Diagrams

Heat/Cool Diagram 1: 1 or 2 Stage Cooling w/TAM7 Model Variable Speed Air Handler or TAM9 24V mode

One or Two Stage Cooling Only

VS Air Handler & Electric Heat

Thermostat Connection

Notes:
1. Cut/remove the factory installed “BK” jumper at the indoor unit
2. “Y2” & “R” connections at outdoor are only required for two stage units
3. Jumper “W2” to “W3” if three stages of indoor heat are available
4. “Y1” and “YO” connections must be made as shown for freeze protection and internally mounted condensate overflow circuits to work properly
5. If third party condensate overflow switches are installed, they should be wired between “Y1” of the thermostat and “YI” of the airflow control board

Remote Temperature Sensor Connections and Operation:
Sensor Options in the Installer Settings/Sensor Settings menu:
- Remote Sensor (connect to the RS terminals)
  - None
  - Replaces internal sensor
  - Average with internal sensor
- Outdoor Temp Sensor (connect to the ODT terminals)
  - None
  - Outdoor
Caution: Do not run sensor wires in the same bundle with HVAC wires. Keep away from high voltage wiring to avoid interference.

Heat/Cool Diagram 2: 1 Stage Cooling w/GAM5A & TAM4 Model Air Handler

One Stage Cooling Only

Non-VS Air Handler & Electric Heat

Thermostat Connection

Notes:
1. Jumper “W2” to “W3” if three stages of indoor heat are available
2. “Y1” and “YO” connections must be made as shown for freeze protection and internally mounted condensate overflow circuits to work properly
3. If third party condensate overflow switches are installed, they should be wired between “Y” of the thermostat and “YO” of the airflow control board

Remote Temperature Sensor Connections and Operation:
Sensor Options in the Installer Settings/Sensor Settings menu:
- Remote Sensor (connect to the RS terminals)
  - None
  - Replaces internal sensor
  - Average with internal sensor
- Outdoor Temp Sensor (connect to the ODT terminals)
  - None
  - Outdoor
Caution: Do not run sensor wires in the same bundle with HVAC wires. Keep away from high voltage wiring to avoid interference.
Heat/Cool Wiring Diagrams

Heat/Cool Diagram 3: 1 Stage Cooling w/"GAM5B" Model Air Handler

Notes:
1. Jumper "W2" to "W3" if three stages of indoor heat is available
2. "Y" terminal must be connected at indoor unit for high stage airflow.

Remote Temperature Sensor Connections and Operation:
- Sensor Options in the Installer Settings/Sensor Settings menu
  - Remote Sensor (connect to the RS terminals)
    - None
    - Replaces internal sensor
    - Average with internal sensor
  - Outdoor Temp Sensor (connect to the ODT terminals)
    - None
    - Outdoor
  - Caution: Do not run sensor wires in the same bundle with HVAC wires. Keep away from high voltage wiring to avoid interference.

Heat/Cool Diagram 4: 2 Stage Cooling w/GAM5B Model Air Handler

Notes:
1. Jumper "W2" to "W3" if three stages of indoor heat are available
2. "Y" must be connected at indoor unit for cooling airflow

Remote Temperature Sensor Connections and Operation:
- Sensor Options in the Installer Settings/Sensor Settings menu
  - Remote Sensor (connect to the RS terminals)
    - None
    - Replaces internal sensor
    - Average with internal sensor
  - Outdoor Temp Sensor (connect to the ODT terminals)
    - None
    - Outdoor
  - Caution: Do not run sensor wires in the same bundle with HVAC wires. Keep away from high voltage wiring to avoid interference.
Heat/Cool Wiring Diagrams

Heat/Cool Diagram 5: 1 Stage Cooling w/GAF2-S Model Air Handler

One Stage
Cooling Only

Non-VS
Air Handler &
Electric Heat

Thermostat Connection

- Remote Sensor
- Outdoor Sensor
- Aux relay outputs

Notes:
1. “YI” and “YO” connections must be made as shown for freeze protection and internally mounted condensate overflow circuits to work properly
2. If third party condensate overflow switches are installed, they should be wired between “YI” of the thermostat and “YI” of the airflow control board

Remote Temperature Sensor Connections and Operation:
- Sensor Options in the Installer Settings/Sensor Settings menu
- Remote Sensor (connect to the RS terminals)
  - None
  - Replaces internal sensor
  - Average with internal sensor
- Outdoor Temp Sensor (connect to the ODT terminals)
  - None
  - Outdoor
Caution: Do not run sensor wires in the same bundle with HVAC wires. Keep away from high voltage wiring to avoid interference.

Heat/Cool Diagram 6: 1 Stage cooling w/GAF2-36M Model Air Handler

One Stage
Cooling Only

Non-VS
Air Handler &
Electric Heat

Thermostat Connection

- Remote Sensor
- Outdoor Sensor
- Aux relay outputs

Notes:
1. “YI” and “YO” connections must be made as shown for freeze protection and internally mounted condensate overflow circuits to work properly
2. If third party condensate overflow switches are installed, they should be wired between “YI” of the thermostat and “YI” of the airflow control board

Remote Temperature Sensor Connections and Operation:
- Sensor Options in the Installer Settings/Sensor Settings menu
- Remote Sensor (connect to the RS terminals)
  - None
  - Replaces internal sensor
  - Average with internal sensor
- Outdoor Temp Sensor (connect to the ODT terminals)
  - None
  - Outdoor
Caution: Do not run sensor wires in the same bundle with HVAC wires. Keep away from high voltage wiring to avoid interference.
Heat/Cool Wiring Diagrams

Heat/Cool Diagram 7: 1 Stage Cooling w/GAT2 & GAM2 Model Air Handlers

One Stage Cooling Only
Non-VS Air Handler & Electric Heat

Thermostat Connection

Notes:
1. Jumper “W2” to “W3” if three stages of indoor heat are available

Remote Temperature Sensor Connections and Operation:
Sensor Options in the Installer Settings/Sensor Settings menu
Remote Sensor (connect to the RS terminals)
- None
- Replaces internal sensor
- Average with internal sensor
Outdoor Temp Sensor (connect to the ODT terminals)
- None
- Outdoor
Caution: Do not run sensor wires in the same bundle with HVAC wires. Keep away from high voltage wiring to avoid interference.

Heat/Cool Diagram 8: 1 Stage Cooling w/TEM3 Model Air Handler

One Stage Cooling Only
Non-VS Air Handler & Electric Heat

Thermostat Connection

Notes:
1. Jumper “W2” to “W3” if three stages of indoor heat are available

Remote Temperature Sensor Connections and Operation:
Sensor Options in the Installer Settings/Sensor Settings menu
Remote Sensor (connect to the RS terminals)
- None
- Replaces internal sensor
- Average with internal sensor
Outdoor Temp Sensor (connect to the ODT terminals)
- None
- Outdoor
Caution: Do not run sensor wires in the same bundle with HVAC wires. Keep away from high voltage wiring to avoid interference.
Heat/Cool Wiring Diagrams

Heat/Cool Diagram 9: 1 or 2 Stage Cooling w/TEM8, TEM6 Variable Speed Air Handler

One or Two Stage Cooling Only

VS Air Handler & Electric Heat

Thermostat Connection

Notes:
1. Cut/remove the factory installed “BK” jumper at the indoor unit
2. “Y2” & “R” connections at outdoor are only required for two stage units
3. Jumper “W2” to “W3” if three stages of indoor heat are available
4. For non-Trane/American Standard Indoor units “BK” is not connected and “Y1”/”Y2” must be connected at indoor unit.

Remote Temperature Sensor Connections and Operation:
Sensor Options in the Installer Settings/Sensor Settings menu
Remote Sensor (connect to the RS terminals)
- None
- Replaces internal sensor
- Average with internal sensor
Outdoor Temp Sensor (connect to the ODT terminals)
- None
- Outdoor
Caution: Do not run sensor wires in the same bundle with HVAC wires. Keep away from high voltage wiring to avoid interference.

Heat/Cool Diagram 10: 1 Stage Cooling w/non-Variable Speed Air Handler
(Excludes Hyperion/Forefront/TEM3 Air Handlers)

One Stage Cooling Only

Non-VS Air Handler & Electric Heat

Thermostat Connection

Notes:
1. Jumper “W2” to “W3” if three stages of indoor heat are available

Remote Temperature Sensor Connections and Operation:
Sensor Options in the Installer Settings/Sensor Settings menu
Remote Sensor (connect to the RS terminals)
- None
- Replaces internal sensor
- Average with internal sensor
Outdoor Temp Sensor (connect to the ODT terminals)
- None
- Outdoor
Caution: Do not run sensor wires in the same bundle with HVAC wires. Keep away from high voltage wiring to avoid interference.
Heat/Cool Wiring Diagrams

Heat/Cool Diagram 11: 1 Stage Cooling w/non-Variable Speed Gas Furnace

One Stage Cooling Only

One or Two Stage Gas Furnace

Thermostat Connection

Remote Temperature Sensor Connections and Operation:
- Sensor Options in the Installer Settings/Sensor Settings menu
  - Remote Sensor (connect to the RS terminals)
  - Replaces internal sensor
  - Average with internal sensor
- Outdoor Temp Sensor (connect to the ODT terminals)
  - Outdoor
  - Average with internal sensor
- Caution: Do not run sensor wires in the same bundle with HVAC wires. Keep away from high voltage wiring to avoid interference.

Heat/Cool Diagram 12: 1 or 2 Stage Cooling w/Variable Speed Gas Furnace

One or Two stage Cooling Only

Two Stage VS Gas Furnace

Thermostat Connection

Remote Temperature Sensor Connections and Operation:
- Sensor Options in the Installer Settings/Sensor Settings menu
  - Remote Sensor (connect to the RS terminals)
  - Replaces internal sensor
  - Average with internal sensor
- Outdoor Temp Sensor (connect to the ODT terminals)
  - Outdoor
  - Average with internal sensor
- Caution: Do not run sensor wires in the same bundle with HVAC wires. Keep away from high voltage wiring to avoid interference.

Notes:
1. Cut/remove the factory installed “BK” jumper at the indoor unit
2. “Y2” & “R” connections at outdoor are only required for two stage units
3. For non-Trane/American Standard Indoor units “BK” is not connected and “Y1”/“Y2” must be connected at indoor unit.
Heat/Cool Diagram 13: 1 Stage Cooling w/non-Variable Speed Oil Furnace

Notes:
1. BT (Bonnet Thermostat) model THT1248 required for dual fuel, oil furnace applications.
2. Field supplied relay (R1) required for oil burner primary

Heat/Cool Diagram 14: 1 or 2 Stage Cooling w/Variable Speed Oil Furnace

Notes:
1. Cut/remove the factory installed "BK" jumper at the indoor unit
2. "Y2" & "R" connections at outdoor unit are only required for 2 stage systems
3. For non-Trane/American Standard Indoor units "BK" is not connected and "Y1","Y2" must be connected at indoor unit.
4. BT (Bonnet Thermostat) model THT1248 required for dual fuel, oil furnace applications
5. Field supplied relay (R1) required for oil burner primary
Heat/Cool Wiring Diagrams

Heat/Cool Diagram 15: Package Single or Multi-Stage Gas/Electric with Variable Speed Blower

Notes:
1. Cut/remove the factory installed “BK” jumper on the ECM fan control board
2. For non-Trane/American Standard Indoor units “BK” is not connected

Remote Temperature Sensor Connections and Operation:
Sensor Options in the Installer Settings/Sensor Settings menu
- Remote Sensor (connect to the RS terminals)
  - None
  - Replaces internal sensor
  - Average with internal sensor
Outdoor Temp Sensor (connect to the ODT terminals)
  - None
  - Outdoor
Caution: Do not run sensor wires in the same bundle with HVAC wires. Keep away from high voltage wiring to avoid interference.

Heat/Cool Diagram 16: Package Single Stage Gas/Electric with non-Variable Speed Blower

Remote Temperature Sensor Connections and Operation:
Sensor Options in the Installer Settings/Sensor Settings menu
- Remote Sensor (connect to the RS terminals)
  - None
  - Replaces internal sensor
  - Average with internal sensor
Outdoor Temp Sensor (connect to the ODT terminals)
  - None
  - Outdoor
Caution: Do not run sensor wires in the same bundle with HVAC wires. Keep away from high voltage wiring to avoid interference.
Heat Pump Wiring Diagrams

Heat Pump Diagram 1: 1 or 2 Stage Heat Pump w/TAM7 Model Variable Speed Air Handler

One or Two stage Heat Pump
Variable Speed Air Handler & Electric Heat

Notes:
1. Cut/remove the factory installed “BK” jumper at the indoor unit.
2. Jumper “W2” to “W3” if three stages of indoor heat are available.
3. “YI” and “YO” connections must be made as shown for freeze protection and internally mounted condensate overflow circuits to work properly.
4. If 3rd party condensate overflow switches are installed, they should be wired between “Y1” of the thermostat and “YI” of the airflow control board.

Remote Temperature Sensor Connections and Operation:

- Sensor Options in the Installer Settings/Sensor Settings menu
- Remote Sensor (connect to the RS terminals)
  - None
  - Replaces internal sensor
  - Average with internal sensor
- Outdoor Temp Sensor (connect to the ODT terminals)
  - None
  - Outdoor
Caution: Do not run sensor wires in the same bundle with HVAC wires. Keep away from high voltage wiring to avoid interference.

Heat Pump Diagram 2: 1 Stage Heat Pump w/GAM5A & TAM4 Model Air Handler

One stage Heat Pump
Variable Speed Air Handler & Electric Heat

Notes:
1. Jumper “W2” to “W3” if three stages of indoor heat are available.
2. “Y1” and “YO” connections must be made as shown for freeze protection and internally mounted condensate overflow circuits to work properly.
3. If 3rd party condensate overflow switches are installed, they should be wired between “Y” of the thermostat and “YI” of the airflow control board.

Remote Temperature Sensor Connections and Operation:

- Sensor Options in the Installer Settings/Sensor Settings menu
- Remote Sensor (connect to the RS terminals)
  - None
  - Replaces internal sensor
  - Average with internal sensor
- Outdoor Temp Sensor (connect to the ODT terminals)
  - None
  - Outdoor
Caution: Do not run sensor wires in the same bundle with HVAC wires. Keep away from high voltage wiring to avoid interference.
Heat Pump Wiring Diagrams

Heat Pump Diagram 3: 1 Stage Heat Pump w/GAM5B Model Air Handler

One stage Heat Pump

Non-VS Air Handler & Electric Heat

Thermostat Connection

Notes:
1. Jumper “W2” to “W3” if three stages of indoor heat are available
2. “Y” terminal must be connected at indoor unit for cooling airflow

Remote Temperature Sensor Connections and Operation:
Sensor Options in the Installer Settings/Sensor Settings menu
Remote Sensor (connect to the RS terminals)
- None
- Replaces internal sensor
- Average with internal sensor
Outdoor Temp Sensor (connect to the ODT terminals)
- None
- Outdoor
Caution: Do not run sensor wires in the same bundle with HVAC wires. Keep away from high voltage wiring to avoid interference.

Heat Pump Diagram 4: 2 Stage Heat Pump w/GAM5B Model Air Handler

Two stage Heat Pump

Non-VS Air Handler & Electric Heat

Thermostat Connection

Notes:
1. Jumper “W2” to “W3” if three stages of indoor heat are available
2. “Y2” terminal must be connected at indoor unit for cooling airflow

Remote Temperature Sensor Connections and Operation:
Sensor Options in the Installer Settings/Sensor Settings menu
Remote Sensor (connect to the RS terminals)
- None
- Replaces internal sensor
- Average with internal sensor
Outdoor Temp Sensor (connect to the ODT terminals)
- None
- Outdoor
Caution: Do not run sensor wires in the same bundle with HVAC wires. Keep away from high voltage wiring to avoid interference.
Heat Pump Wiring Diagrams

Heat Pump Diagram 5: 1 Stage Heat Pump w/GAF2-S Model Air Handler

One stage Heat Pump  
Non-VS Air Handler & Electric Heat  
Thermostat Connection

Remote Temperature Sensor Connections and Operation:

Sensor Options in the Installer Settings/Sensor Settings menu
- Remote Sensor (connect to the RS terminals)
  - None
  - Replaces internal sensor
  - Average with internal sensor
- Outdoor Temp Sensor (connect to the ODT terminals)
  - None
  - Outdoor

Caution: Do not run sensor wires in the same bundle with HVAC wires. Keep away from high voltage wiring to avoid interference.

Notes:
1. "YI" and "YO" connections must be made as shown for freeze protection and internally mounted condensate overflow circuits to work properly
2. If 3rd party condensate overflow switches are installed, they should be wired between "Y" of the thermostat and "YI" of the airflow control board

Heat Pump Diagram 6: 1 Stage Heat Pump w/GAF2-36M Model Air Handler

One stage Heat Pump  
Non-VS Air Handler & Electric Heat  
Thermostat Connection

Remote Temperature Sensor Connections and Operation:

Sensor Options in the Installer Settings/Sensor Settings menu
- Remote Sensor (connect to the RS terminals)
- Outdoor Temp Sensor (connect to the ODT terminals)
- None
- Outdoor

Caution: Do not run sensor wires in the same bundle with HVAC wires. Keep away from high voltage wiring to avoid interference.
Heat Pump Diagram 7: 1 Stage Heat Pump w/GAT2 & GAM2 Model Air Handler

One stage Heat Pump

Non-VS Air Handler & Electric Heat

Thermostat Connection

Notes:
1. Jumper "W2" to "W3" if three stages of indoor heat are available

Remote Temperature Sensor Connections and Operation:
- Sensor Options in the Installer Settings/Sensor Settings menu
- Remote Sensor (connect to the RS terminals)
  - None
  - Replaces internal sensor
  - Average with internal sensor
- Outdoor Temp Sensor (connect to the ODT terminals)
  - None
  - Outdoor
  - Caution: Do not run sensor wires in the same bundle with HVAC wires. Keep away from high voltage wiring to avoid interference.

Heat Pump Diagram 8: 1 Stage Heat Pump w/TEM3 Model Air Handler

One stage Heat Pump

Non-VS Air Handler & Electric Heat

Thermostat Connection

Notes:
1. Jumper "W2" to "W3" if three stages of indoor heat are available

Remote Temperature Sensor Connections and Operation:
- Sensor Options in the Installer Settings/Sensor Settings menu
- Remote Sensor (connect to the RS terminals)
  - None
  - Replaces internal sensor
  - Average with internal sensor
- Outdoor Temp Sensor (connect to the ODT terminals)
  - None
  - Outdoor
  - Caution: Do not run sensor wires in the same bundle with HVAC wires. Keep away from high voltage wiring to avoid interference.
Heat Pump Wiring Diagrams

Heat Pump Diagram 9: 1 or 2 Stage Heat Pump w/TEM8, TEM6 Variable Speed Air Handler

One or Two stage Heat Pump

Variable Speed Air Handler & Electric Heat

Thermostat Connection

Notes:
1. Cut/remove the factory installed “BK” jumper at the indoor unit.
2. Jumper “W2” to “W3” if three stages of indoor heat are available.
3. For non-Trane/American Standard indoor units “BK” is not connected and the “Y1”/“Y2” must be connected at indoor unit.

Remote Temperature Sensor Connections and Operation:
- Sensor Options in the Installer Settings/Sensor Settings menu
- Remote Sensor (connect to the RS terminals)
  - None
  - Replaces internal sensor
  - Average with internal sensor
- Outdoor Temp Sensor (connect to the ODT terminals)
  - None
  - Outdoor
Caution: Do not run sensor wires in the same bundle with HVAC wires. Keep away from high voltage wiring to avoid interference.

Heat Pump Diagram 10: 1 Stage Heat Pump w/non-Variable Speed Air Handler
(Excludes Hyperion/Forefront/TEM3 Air Handlers)

Single Stage Heat Pump

Air Handler & Electric Heat

Thermostat Connection

Notes:
1. Jumper “W2” to “W3” if three stages of indoor heat are available.

Remote Temperature Sensor Connections and Operation:
- Sensor Options in the Installer Settings/Sensor Settings menu
- Remote Sensor (connect to the RS terminals)
  - None
  - Replaces internal sensor
  - Average with internal sensor
- Outdoor Temp Sensor (connect to the ODT terminals)
  - None
  - Outdoor
Caution: Do not run sensor wires in the same bundle with HVAC wires. Keep away from high voltage wiring to avoid interference.
Heat Pump Diagram 11: Package Single or Multi-stage Heat Pump with Variable Speed Blower

Notes:
1. Cut/remove the factory installed “BK” jumper on the ECM fan control board
2. For non-Trane/American Standard indoor units “BK” is not connected


Remote Temperature Sensor Connections and Operation:
- Sensor Options in the Installer Settings/Sensor Settings menu
- Remote Sensor (connect to the RS terminals)
  - None
  - Replaces internal sensor
  - Average with internal sensor
- Outdoor Temp Sensor (connect to the ODT terminals)
  - None
  - Outdoor
Caution: Do not run sensor wires in the same bundle with HVAC wires. Keep away from high voltage wiring to avoid interference.
**Dual Fuel Wiring Diagrams**

**Dual Fuel Diagram 1: 1 or 2 Stage Heat Pump w/Variable Speed Gas Furnace**

- **One or Two stage Heat Pump**
- **Two Stage Variable Speed Gas Furnace**

**Thermostat Connection**

Notes:
1. Cut/remove the factory installed “BK” jumper at the indoor unit.
2. For non-Trane/American Standard Indoor units “BK” is not connected and “Y1”/”Y2” must be connected at indoor unit.
3. Outdoor Sensor required for dual fuel restricted mode.

**Dual Fuel Diagram 2: 1 Stage Heat Pump w/non-Variable Speed Gas Furnace**

- **Single Stage Heat Pump**
- **Non-VS One or Two Stage Gas Furnace**

**Thermostat Connection**

Note:
1. Outdoor Sensor required for dual fuel restricted mode.

Remote Temperature Sensor Connections and Operation:

<table>
<thead>
<tr>
<th>Sensor Options in the Installer Settings/Sensor Settings menu</th>
<th>Remote Sensor (connect to the RS terminals)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Remote Sensor (connect to the RS terminals)</td>
<td>- None</td>
</tr>
<tr>
<td>- Replaces internal sensor</td>
<td>- Average with internal sensor</td>
</tr>
<tr>
<td>- Average with internal sensor</td>
<td>- Outdoor</td>
</tr>
</tbody>
</table>

Caution: Do not run sensor wires in the same bundle with HVAC wires. Keep away from high voltage wiring to avoid interference.
Dual Fuel Wiring Diagrams

Dual Fuel Diagram 3: 1 or 2 Stage Heat Pump w/Variable Speed Oil Furnace

Notes:
1. Cut/remove the factory installed "BK" jumper at the indoor unit
2. BT (Bonnet Thermostat) model THT1248 required for dual fuel, oil furnace applications
3. For non-Trane/American Standard indoor units "BK" is not connected and "Y1"/"Y2" must be connect at indoor unit
4. Field supplied relay (R1) required for oil burner primary

Remote Temperature Sensor Connections and Operation:
Sensor Options in the Installer Settings/Sensor Settings menu
Remote Sensor (connect to the RS terminals)
- None
- Replaces internal sensor
- Average with internal sensor
Outdoor Temp Sensor (connect to the ODT terminals)
- None
- Outdoor
Caution: Do not run sensor wires in the same bundle with HVAC wires. Keep away from high voltage wiring to avoid interference.

Dual Fuel Diagram 4: 1 Stage Heat Pump w/non-Variable Speed Oil Furnace

Notes:
1. BT (Bonnet Thermostat) model THT1248 required for dual fuel, oil furnace applications
2. Field supplied relay (R1) required for oil burner primary

Remote Temperature Sensor Connections and Operation:
Sensor Options in the Installer Settings/Sensor Settings menu
Remote Sensor (connect to the RS terminals)
- None
- Replaces internal sensor
- Average with internal sensor
Outdoor Temp Sensor (connect to the ODT terminals)
- None
- Outdoor
Caution: Do not run sensor wires in the same bundle with HVAC wires. Keep away from high voltage wiring to avoid interference.
Dual Fuel Diagram 5: Package Single or Multi-Stage Dual Fuel with Variable Speed Blower

Package Unit

<table>
<thead>
<tr>
<th>B/C</th>
<th>R</th>
<th>W1</th>
<th>W2/X2</th>
<th>O</th>
<th>G</th>
<th>Y1</th>
<th>Y2</th>
<th>BK</th>
</tr>
</thead>
</table>

Thermostat Connection

<table>
<thead>
<tr>
<th>C</th>
<th>BK</th>
</tr>
</thead>
<tbody>
<tr>
<td>R</td>
<td>RS</td>
</tr>
<tr>
<td>W1</td>
<td>RS</td>
</tr>
<tr>
<td>W2</td>
<td>ODT</td>
</tr>
<tr>
<td>Q/B</td>
<td>ODT</td>
</tr>
<tr>
<td>G</td>
<td>NO</td>
</tr>
<tr>
<td>Y1</td>
<td>C</td>
</tr>
<tr>
<td>Y2</td>
<td>NC</td>
</tr>
</tbody>
</table>

Notes:
1. Cut/remove the factory installed “BK” jumper on the ECM fan control board
2. For non-Trane/American Standard Indoor units “BK” is not connected
3. Outdoor Sensor required for dual fuel restricted mode.

Remote Temperature Sensor Connections and Operation:
- Sensor Options in the Installer Settings/Sensor Settings menu
  - Remote Sensor (connect to the RS terminals)
    - None
    - Replaces internal sensor
    - Average with internal sensor
  - Outdoor Temp Sensor (connect to the ODT terminals)
    - None
    - Outdoor

Caution: Do not run sensor wires in the same bundle with HVAC wires. Keep away from high voltage wiring to avoid interference.

Dual Fuel Diagram 6: Package Single Stage Dual Fuel with Non-Variable Speed Blower

Package Unit

<table>
<thead>
<tr>
<th>B/C</th>
<th>R</th>
<th>W1</th>
<th>W2/X2</th>
<th>O</th>
<th>G</th>
<th>Y</th>
</tr>
</thead>
</table>

Thermostat Connection

<table>
<thead>
<tr>
<th>C</th>
<th>BK</th>
</tr>
</thead>
<tbody>
<tr>
<td>R</td>
<td>RS</td>
</tr>
<tr>
<td>W1</td>
<td>RS</td>
</tr>
<tr>
<td>W2</td>
<td>ODT</td>
</tr>
<tr>
<td>Q/B</td>
<td>ODT</td>
</tr>
<tr>
<td>G</td>
<td>NO</td>
</tr>
<tr>
<td>Y1</td>
<td>C</td>
</tr>
<tr>
<td>Y2</td>
<td>NC</td>
</tr>
</tbody>
</table>

Notes:
1. Outdoor Sensor required for dual fuel restricted mode.

Remote Temperature Sensor Connections and Operation:
- Sensor Options in the Installer Settings/Sensor Settings menu
  - Remote Sensor (connect to the RS terminals)
    - None
    - Replaces internal sensor
    - Average with internal sensor
  - Outdoor Temp Sensor (connect to the ODT terminals)
    - None
    - Outdoor

Caution: Do not run sensor wires in the same bundle with HVAC wires. Keep away from high voltage wiring to avoid interference.
Optional Remote Temperature Sensor Installation

Wire specification for remote sensors: 2 conductors, 18 gauge wire. Make sure that the sensor wires are installed in a separate cable from the wiring to the HVAC system. Best results for distances of 100 feet or less. Accuracy may be affected for distances up to a maximum of 200 feet. Shielded cable is recommended for distances over 100 feet and less than 200 feet.

⚠️ CAUTION: Keep this wiring at least one foot away from large inductive loads such as electronic air cleaners, motors, line starters, lighting ballasts, and large distribution panels. Failure to follow these wiring practices may introduce electrical interference (noise) which can cause erratic system operation. Shielded cable is required if the above wiring guidelines cannot be met.

Be sure to ground only one end of the shield to the Comfort Control common terminal. Tape back the other end of the shield.

Remote Sensor Part Numbers
Remote Indoor Sensor: Use ZZSENSAL0400AA for indoor applications.
Remote Outdoor Sensor: Use BAYSEN01ATEMPA for outdoor applications.

> IMPORTANT: Make sure that the sensor wires are installed in a separate cable from the Comfort Control cable.

> IMPORTANT: Follow directions below for averaging. These instructions replace the averaging information found in the Installer’s Guide for the ZZSENSAL0400AA.

Remote Temperature Sensor Connections and Operation:

A) Indoor sensor connected to RS.

The Remote Sensor (RS) function can be configured in the Service/Installer Settings/Sensor Settings menu. Options are:

- None
- Replaces onboard temp sensor of the Comfort Control
- Averages with onboard temp sensor

Replace - RS Sensor replaces the internal temperature sensor of the Comfort Control. This allows the Comfort Control to be installed in a location different than the area where the temperature will be measured. Use ZZSENSAL0400AA.

Average - RS Sensor averages its temperatures with the internal sensor. Use ZZSENSAL0400AA.

B) Outdoor sensor connected to ODT. Reports outdoor temperature to the Comfort Control.

The Outdoor Sensor (ODT) function can be configured in the Service/Installer Settings/Sensor Settings menu. Options are:

- None
- Outside

Outside - ODT (outdoor temperature sensor). If ODT sensor is selected and connected, the outdoor temp is displayed on the main screen. ODT model is BAYSEN01ATEMPA.
# Troubleshooting

<table>
<thead>
<tr>
<th>Symptom</th>
<th>Possible Cause</th>
<th>Action</th>
</tr>
</thead>
</table>
| Display will not come on                    | Loss of 24VAC between R & C at the Control                                  | 1) Check wiring between R & C  
2) Check transformer for 24VAC output  
3) Check for broken or shorted thermostat wire |
| Indoor Temperature display is incorrect     | Indoor temperature display needs calibrating (always allow 1 hour before calibrating after any power cycle)  
2) Heat from the touchscreen is being trapped within the body of the control | 1) Calibrate indoor temperature sensor  
2) Relocate the control away from any competing air sources or redirect the air sources away from the control |
| Indoor humidity display is incorrect        | Indoor humidity sensor needs calibrating                                     | Calibrate humidity sensor                                               |
| Room temperature overshoots the desired setpoint in cooling mode | 1) The delta “Off” in cooling mode is set to a negative number  
2) Cooling overshoot is enabled and the indoor RH is higher than the target cooling RH  
3) Minimum compressor on time has not been met | 1) Intended operation; if objectionable, change the delta “Off” to 0 degrees  
2) Intended operation: if objectionable, disable cooling overshoot or raise cooling target RH  
3) Intended operation: if objectionable, change Control Response settings in the Installers Settings, Comfort Settings Menu |
| Room temperature overshoots the desired setpoint in heating mode | Minimum compressor/indoor heat on time has not been met | Intended operation; if objectionable, change control response settings in the Installers Settings, Comfort Settings Menu |
| Cooling will not come on                    | 1) System mode is not set to Cool/Auto or setpoint is set too high  
2) Delta “On” for cooling is set too high  
3) Minimum off time delay is being enforced  
4) Cooling system may need service | 1) Select the correct system mode and/or lower the setpoint  
2) Change the delta “On” setting for cooling mode  
3) Intended operation: if objectionable, change Control Response settings in the Installers Settings, Comfort Settings Menu  
4) Check/repair system |
| Heating will not come on                    | 1) System mode is not set to Heat/Auto or setpoint is set too low  
2) Delta “On” for heating is set too low  
3) Minimum off time delay is being enforced  
4) Heating system may need service | 1) Select the correct system mode and/or raise the setpoint  
2) Change the delta “On” setting for heating mode  
3) Intended operation: if objectionable, change Control Response settings in the Installers Settings, Comfort Settings Menu  
4) Check/repair system |
| Heating or Cooling is being displayed, but no air coming from registers/vents | 1) Fan delay time has not expired  
2) System is not operating properly | 1) Wait one minute for blower delay to end, then recheck register/grills  
2) Check/repair system |
| Fan runs all the time                       | 1) Fan mode is set to “On” or “Circ”  
2) System is not operating properly | 1) Intended operation; if objectionable, change fan mode to “Auto”  
2) Check/repair system |
| Fan is set to “On” but not running          | 1) Smart continuous fan (SCF) is enabled and the indoor humidity is higher than the cooling target RH (SCF will be displayed on fan mode button)  
2) System is not operating properly | 1) Intended operation; if objectionable, disable SCF or raise cooling target humidity  
2) Check/repair system |
INFORMATION TO USER

TCONT724A542DAB
Contains Transmitter Module FCC ID: TLZ-CU300

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) This device may not cause harmful interference, and (2) this device must accept any interference received,
including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for Class B Digital Device, pursuant to Part
15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference
in a residential installation. This equipment generates and can radiate radio frequency energy and, if not
installed and used in accordance with the instructions, may cause harmful interference to radio communications.
However, there is no guarantee that interference will not occur in a particular installation. If this equipment does
cause harmful interference to radio or television reception, which can be determined by turning the equipment
off and on, the user is encouraged to try to correct the interference by one or more of the following measures.

• Reorient or relocate the receiving antenna
• Increase the separation between the equipment and receiver
• Connect the equipment into an outlet on a circuit different from that to which the receiver is connected
• Consult the dealer or an experienced radio/TV technician for help

Any changes or modifications not expressly approved by the party responsible for compliance could void the
user’s authority to operate the equipment.

---

IC Notice

Contains Transmitter Module IC ID: 6100A-CU300

This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following
two conditions: (1) this device may not cause interference, and (2) this device must accept any interference,
including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d’Industrie Canada applicables aux appareils radio
exempts de licence. L’exploitation est autorisée aux deux conditions suivantes : (1) l’appareil ne
doit pas produire de brouillage, et (2) l’utilisateur de l’appareil doit accepter tout brouillage
radioélectrique subi, même si le brouillage est susceptible d’en compromettre le fonctionnement.
Trane - by Trane Technologies (NYSE: TT), a global climate innovator - creates comfortable, energy efficient indoor environments for commercial and residential applications. For more information, please visit trane.com or tranetechnologies.com.

Trane has a policy of continuous data improvement and it reserves the right to change design and specifications without notice. We are committed to using environmentally conscious print practices.

Representative-only illustrations included in this document.

Doc Number: 18-HD82D1-1E-EN  16 September 2021
Supersedes: 18-HD82D1-1D-EN   06 August 2020   © 2021 Trane